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		U.S. PATEN	F DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	4,081,748	03/1978	Batz			
	4,099,121	07/1978	Fang			
	4,128,809	12/1978	Kage			
	4,426,712	01/1984	Gorski-Popiel	Ì		
	4,530,087	07/1985	Yamamoto			
	4,599,734	07/1986	Yamamoto			
	4,644,351	02/1987	Zabarsky			
	4,675,863	06/1987	Paneth et al.			
	4,727,590	02/1988	Kawano et al.			
	4,780,885	10/1988	Paul et al.			
	4,799,252	01/1989	Eizenhoffer et al.			
	4,901,307	02/1990	Gilhousen et al.			
	5,031,193	07/1991	Atkinson et al.	1		
	5,043,736	08/1991	Darnell et al.	i		
	5,046,066	09/1991	Messenger			
	5,056,106	10/1991	Wang et al.			
	5,058,200	10/1991	Huang et al.			
	5,068,916	11/1991	Harrison et al.	i		
	5,081,641	01/1992	Kotzin et al.			
	5,081,643	01/1992	Schilling			
	5,088,108	02/1992	Uddenfeldt et al.	1		
$\top \vdash \vdash$	5,097,484	03/1992	Akaiwa			
	5,101,501	03/1992	Gilhousen et al.			
	5,103,459	04/1992	Gilhousen et al.			
Ψ	5,109,390	04/1992	Gilhousen et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW	5,124,915	06/1992	Krenzel			
	5,128,925	07/1992	Dornstetter et al.			
	5,155,689	10/1992	Wortham			
	5,164,942	11/1992	Kamerman et al.			
	5,166,951	11/1992	Schilling			
	5,177,765	1/5/1993	Holland et al.			
	5,193,101	09/1993	McDonald et al.			
	5,203,018	04/1993	Hirose			
	5,208,756	05/1993	Song			
	5,214,789	05/1993	George			
	5,218,367	06/1993	Sheffer et al.			
	5,218,618	06/1993	Sagey			
	5,223,844	06/1993	Mansell et al.			
	5,227,802	07/1993	Pullman			
	5,235,633	08/1993	Nass et al.			
	5,247,356	09/1993	Ciampa			
	5,260,943	11/1993	Comroe et al.			
	5,260,967	11/1993	Schilling			
	5,280,472	01/1994	Gilhousen et al.			
	5,283,767	02/1994	McCoy			
	5,289,499	02/1994	Weerackody			
	5,289,527	02/1994	Tiedemann, Jr.			
	5,293,645	03/1994	Sood et al.1			
	5,297,162	03/1994	Lee et al.			
	5,305,353	04/1994	Weerackody			
	5,321,696	04/1994	Buchholz et al.			
V	5,323,384	06/1994	Norwood			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	5,329,530	07/1994	Kojima			
Т	5,345,467	09/1994	Lomp et al.			
	5,347,535	09/1994	Karasawa et al.			
	5,365,516	11/1994	Jandrell ¹¹			
	5,367,539	11/1994	Copley			
	5,371,734	12/1994	Fischer			
	5,371,780	12/1994	Amitay			
	5,373,502	12/1994	Turban			
	5,390,166	02/1995	Rohani et al.			
	5,420,883	05/1995	Swensen et al.			
	5,430,769	07/1995	Patsiokas et al.			
	5,442,625	08/1995	Gitlin et al.			
	5,479,448	12/1995	Seshadri			
	5,481,533	1/1996	Honig et al.			
	5,483,244	01/1996	Grube et al.			
	5,483,668	01/1996	Malkamaki et al.			
	5,506,863	4/9/1996	Meidan et al.			
	5,513,176	04/1996	Dean et al.			
	5,533,011	07/1996	Dean et al.			
	5,533,013	07/1996	Leppanen			
	5,553,076	9/3/1996	Behtash et al.			
	5,584,057	12/1996	Dent			
	5,594,737	01/1997	Pillekamp et al.7			
	5,614,914	03/1997	Bolgiano et al.			
	5,625,876	04/1997	Gilhousen et al.			
	5,663,990	09/1997	Bolgiano et al.			
$\overline{\mathbb{V}}$	5,684,793	11/1997	Kiema et al.			
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/R	W/	*	5,712,868	01/1998	Stern et al. ¹²				
0000			5,748,669	05/1998	Yada				
П			5,761,196	6/2/1998	Ayerst et al.				
	П		5,781,541	07/1998	Schnieder				
٦			5,859,879	01/1999	Bolgiano et al.				
٦			5,881,094	03/1999	Schilling				
J	7		5,912,644	06/1999	Wang				
			FC	OREIGN PATE	ENT DOCUMENTS				
EXAM INIT	INER							TRAN	SLATION
INIT	IAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
/F	RW.		0528090	02/1993	EP				
			2237706	05/1991	GB				
			2259430	03/1993	GB				
	***************************************	*	05-276210	10/1993	JP			X**	
	П		06-244814	09/1994	JP			X**	
	П	*	1-233930	09/1989	JP			X**	
	П	*	63-237636	10/1998	JP			X**	
	П		H01-314443	12/1989	JP			X**	
	П		H02-3007	01/1990	JP			Х	
	П		H02-302133	06/1992	JP			Х	
	П		H03-177669	08/1991	JP			Х	
	H		H03-235077	10/1991	JP				
	H		H05-244051	09/1993	JP			X**	
	H		H06-097914	04/1994	JP	<u> </u>		X**	
	H		S53-109328	08/1978	JP	<u> </u>		Х	
7			\$63-065723	09/1989	JP	1		Х	
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XAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in

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INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
/RW/	S63-274236	11/1988	JP			X**	
	S63-286027	11/1988	JP			Х	
	S63-286072	11/1988	JP			X**	
	H05-211470	08/1993	JP ²			X**	
	H04-502844	08/1993	JP ³			Х	
	H06-501349	01/1992	JP ⁵			Х	
	199210890	06/1992	WO				
	199306669	04/1993	WO				
	199939455	08/1999	WO10				
	199107036	05/1991	WO4				
	199200639	01/1992	MO ₆				
	199608908	03/1996	MO ₈				
V/	199833346	07/1998	MO ₉				

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		ERCEG ET AL., "Urban/Suburban Out-of-Sight Propagation Modeling," IEEE Communications Magazine, pgs. 56-61, (June 1992).
		ESMAILZADEH ET AL., "Direct Sequence Spread Spectrum Communication in Selection Diversity Channels by Time Division Duplex Technique," IEEE, pgs. 345-348, (1992).
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		GERLACH ET AL., "Base Station Transmitter Antenna Arrays With Mobile to Base Feedback", IEEE 1993 Conference Record of the Twenty-Seventh Asilomar Conference on Signals, Systems, and Computers, Vol. 2, pgs. 1432-1436, (November 1993).
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		JAKES, JR., "Microwave Mobile Communications," Bell Telephone Laboratories, North Andover, MA, pgs. 309-323 and 535-541, (1974).
		KAUFMANN ET AL., "Digital Spread-Spectrum Multipath-Diversity Receiver for Indoor Communications," IEEE, pgs. 1038-1041, (1992).
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/RW/			KUBOTA ET AL., "A Time Diversity CDMA Scheme Employing Orthogonal Modulation for Time Varying Channels," IEEE 43rd Vehicular Technology Conference, pp. 444-447 (May 20, 1993).	
			AL., "Performance of CDMA Cellular Networks With Base-Station Antenna Arrays: The c", IEEE Internal Conference on Communications, Vol. 2, pgs. 795-799, (May 1994).	
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		WINTERS, "TI	ne Diversity Gain Of Transmit Diversity In Wireless Systems With Rayleigh Fading," New Orleans, New York, IEEE, US, pgs. 1121-1125, (May 1, 1994).	
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¹ Corresponds to JP H05-211470; ² Corresponds to US 5,293,645; ³ Corresponds to WO 199107036; ⁴ Corresponds to JP H04-502844; ⁹ Corresponds to WO 199200639; ⁹ Corresponds to H06-501349; ⁹ Corresponds to WO 94/10812; ⁹ Corresponds to JP 91002-907240; ⁹ Corresponds to JP 2002-907240; ⁹ Corresponds to JP 2003-907240; ⁹ Corresponds to JP 2003-90

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Corresponds to JP 6-510656 and WO 94/01956.

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